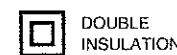
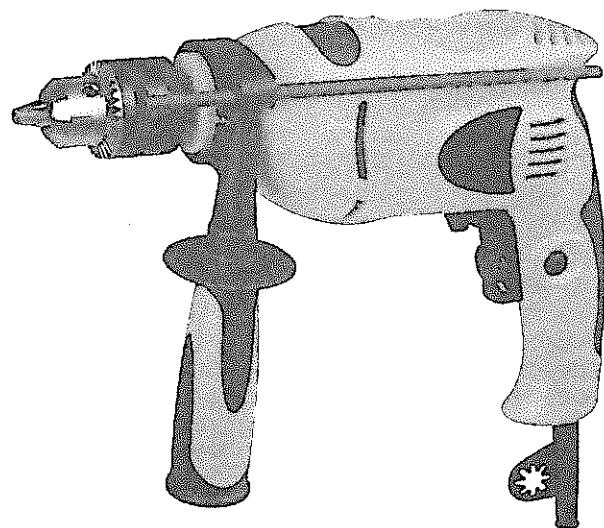


STALWART™

## Impact Drill



DOUBLE  
INSULATION

### INSTRUCTION MANUAL

⚠ **WARNING:**

For your personal safety, READ and UNDERSTAND before using.  
SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

## SPECIFICATIONS

75-3990A		
Power indut	Watt	550
Rated voltage	V~	120
Rated frequency	Hz	60
Speed	R/min	0-3000
Chuck capacity:	0.5 inch (13mm)	
Drilling capacity in steel:	0.4 inch (10mm)	
Drilling capacity in wood:	1 inch (25mm)	
Drilling capacity in concrete:	0.5 inch(13mm)	

Manufacturer reserves the right to change specifications without notice.

Specification may differ from country to country

## SAVE THESE INSTRUCTIONS

### Work Area

1. Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.
2. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
3. Keep bystanders, children, and visitors away while operating a power tool. Distractions can cause you to lose control.

### Electrical Safety

4. Double insulated tools are equipped with a polarized plug (one blade is wider than the other.) This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way. Double insulation [H] eliminates the need for the three wire grounded power cord and grounded power supply system.
5. Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is grounded.
6. Do not expose power tools to rain or wet conditions. There is an increased risk of electric shock if your body is grounded.
7. Do not abuse the cord. Never use the cord to carry the tools or pull

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the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.

8. When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W". These cords are rated for outdoor use and reduce the risk of electric shock.

### Personal Safety

9. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or medicated. A moment of inattention while operating power tools may result in serious personal injury.

10. Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.

11. Avoid accidental starting. Be sure switch is off before plugging in. Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents.

12. Remove adjusting keys or wrenches before turning the tool on. A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.

13. Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enables better control of the tool in unexpected situations.

14. Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions. Ordinary eye or sun glasses are NOT eye protection.

### Tool Used and Care

15. Use clamps or other practical way to secure and support the workpiece to a stable platform. Holding the work by hand or against your body is unstable and may lead to loss of control.

16. Do not force tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it is designed.

17. Do not use tool if switch does not turn it on or off. Any tool that cannot be controlled with the switch is dangerous and must be repaired.

18. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool. Such preventive safety measures reduce the risk of starting the tool accidentally.

19. Store idle tools out of reach of children and other untrained persons. Tools are dangerous in the hands of untrained users.

20. Maintain tools with care. Keep cutting tools sharp and clean. Properly maintained tools with sharp cutting edges are less likely to bind and are easier to control.

21. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tools operation. If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.

22. Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool, may become hazardous when used on another tool.

### SERVICE

23. Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.

24. When servicing a tool, use only identical replacement parts. Follow instructions in the maintenance section of this manual. Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury.

**USE PROPER EXTENSION CORD:** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table 1 shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

Table 1: Minimum gage for cord

Ampere Rating	Volts	Total length of cord in feet			
		120V	25ft.	50ft.	100ft.
More Than	Not More Than	AWG			
		18	16	16	14
		18	16	14	12
		16	16	14	12
12		14	12	Not Recommended	

## SPECIFIC SAFETY RULES

DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to drill safety rules. If you use this tool unsafely or incorrectly, you can suffer serious personal injury.

1. Hold tool by insulated gripping surfaces when performing an operation where the cutting tools may contact hidden wiring or its own cord. Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.
2. Always be sure you have a firm footing. Be sure no one is below when using the tool in high locations.
3. Hold the tool firmly.
4. Keep hands away from rotating parts.
5. Do not leave the tool running. Operate the tool only when hand-held.
6. Do not touch the drill bit or the workpiece immediately after operation; they may be extremely hot and could burn your skin.
7. Some material contains chemicals which may be toxic. Take caution to prevent dust inhalation and skin contact. Follow material supplier safety data.

## SAVE THESE INSTRUCTIONS



### WARNING:

MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.

## SYMBOLS

The following shows the symbols used for tool.

V.....volts

A.....amperes

Hz.....hertz

n.....no load speed

回.....Class II Construction

.../min.....revolutions or reciprocation per minute

~.....alternating current

## FUNCTIONAL CAUTION:

### DESCRIPTION

### CAUTION:

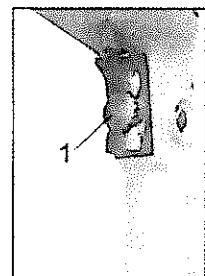
- Always be sure that the tool is switched off and unplugged before adjusting or checking function on the tool.

### Switch action



### CAUTION:

Before plugging in the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.



1. Switch trigger

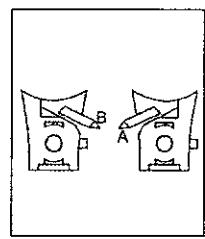
To start the tool, simply pull the switch trigger. Tool speed is increased by increasing pressure on the switch trigger.

Release the switch trigger to stop.

For continuous operation, pull the switch trigger and then push the lock lever upward.

To stop the tool from the locked position, pull the switch trigger fully, then release it.

### Reversing switch action

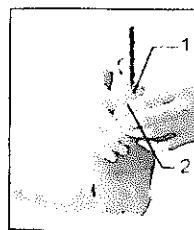


1. Reversing switch lever



### CAUTION:

- Always check the direction of rotation before operation.
- Use the reversing switch only after the tool come to a complete stop. Changing the direction of rotation before the tool stops may damage the tool.



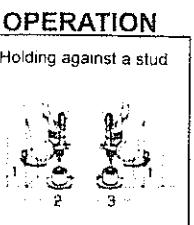
1. Sleeve  
2. Ring



1. Chuck key



1. Depth gauge



1. Reaction 2. Reverse  
3. Forward

## Installing or removing drill bit

### For Rubber Chuck

Hold the ring and turn the sleeve counterclockwise to open the chuck jaws. Place the bit in the chuck as far as it will go. Hold the ring firmly and turn the sleeve clockwise to tighten the chuck.

To remove the bit, hold the ring and turn the sleeve counterclockwise.

### For Iron Chuck

To install the bit, place it in the chuck as far as it will go. Tighten the chuck by hand. Place the chuck key in each of the three holes and tighten clockwise. Be sure to tighten all three chuck holes evenly.

To remove the bit, turn the chuck key counterclockwise in just one hole, then loosen the chuck by hand.

After using the chuck key, be sure to return to the original position.

### Depth gauge (optional accessory)

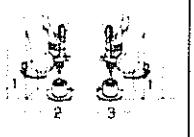
The depth gauge is convenient for drilling holes of uniform depth. Loosen the side grip and insert the depth gauge into the hole in the side grip. Adjust the depth gauge to the desired depth and tighten the side grip.

### NOTE:

The depth gauge cannot be used at the position where the depth gauge strikes against the tool body.

## OPERATION

### Holding against a stud

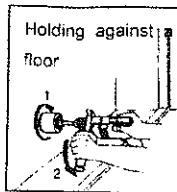


1. Reaction 2. Reverse  
3. Forward

### Holding tool

When drilling a large hole with a hole saw, etc., the side grip (auxiliary handle) should be used as a brace to maintain safe control of the tool.

Grasp the rear handle and the front grip firmly when starting or stopping the tool, since there is an initial and final reaction. When drilling action is forward (clockwise), the tool should be braced to prevent a counterclockwise reaction if the bit should bind. When reversing, brace the



1. Forward  
2. Reaction

tool to prevent a clockwise reaction. If the bit must be removed from a partially drilled hole, be sure the tool is properly braced before reversing.

## Drilling operation

### Drilling in wood

When drilling in wood, the best results are obtained with wood drill equipped with a guide screw. The guide screw makes drilling easier by pulling the bit into the workpiece.

### Drilling in metal

To prevent the bit from slipping when starting a hole, make an indentation with a center-punch and hammer at the point to be drilled. Place the point of the bit in the indentation and start drilling.

Use a cutting lubricant when drilling metals. The exceptions are iron and brass which should be drilled dry.

#### CAUTION:

- Pressing excessively on the tool will not speed up the drilling. In fact, this excessive pressure will only serve to damage the tip of your bit, decrease the tool performance and shorten the service life of the tool.

There is a tremendous twisting force exerted on the tool bit at the time of hole breakthrough. Hold the tool firmly and exert care when the bit begins to break through the workpiece.

- A stuck bit can be removed simply by setting the reversing switch to reverse rotation in order to back out.

However, the tool may back out abruptly if you do not hold it firmly.

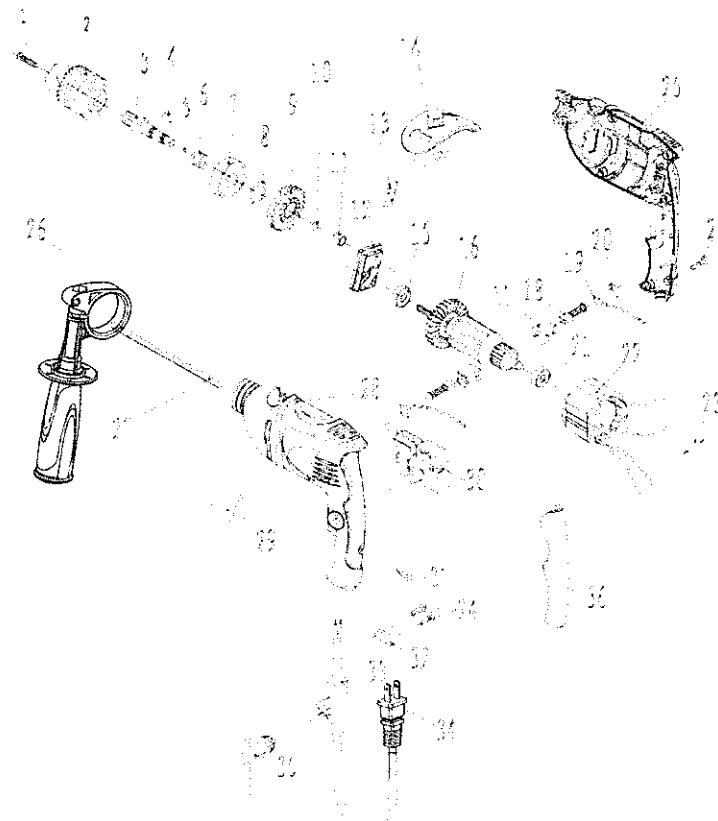
- Always secure small workpieces in a vise or similar hold-down device.

- Avoid drilling in material that you suspect contains hidden nails or other things that may cause the bit to bind or break.

#### CAUTION:

- Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

To maintain product SAFETY and RELIABILITY, repairs, carbon brush inspection and replacement, any other maintenance or adjustment should be performed by Orient Wealth Authorized or Factory Service Centers, always using Orient Wealth replacement parts.



1	Screw	13	Impact iron	25	Right housing
2	Chuck	14	Impact button	26	Handle
3	Spindle	15	Bearing	27	Rule
4	Semicircle key	16	Rotor	28	Left housing
5	Steel ball	17	Carbon brush bolder	29	Label
6	Spring	18	Carbon brush	30	Switch
7	Bearing	19	Stator extension wire	31	Screw
8	gasket of spindle	20	Carbon brush cover	32	Wire holder
9	Big gear	21	Bearing	33	Wire sheathing
10	gasket of spindle	22	Stator	34	Wire and plug
11	Ball bearing	23	Inner wire	35	Key of chuck
12	holder	24	Screw	36	Hard cover